

**Planning Structure  
Comprehensive Planning Challenges  
Planning Opportunities**



**OFFICE FOR COASTAL MANAGEMENT**  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



# Administrative Setting

## 5GCA Ch.1 Article 2



**Clearing House Gov. Key Staff**

**Governor / Lt Gov Office**

**Bureau of  
Statistics and Plans**

**Bureau Budget and  
Management**

# Section 1200. Legislative Findings

## Planning Goals

- (a) To upgrade the quality of life for Guam's people;
- (b) To create conditions and opportunities whereby people fully participate
- (c) To maintain balance and equity between development and the environment in order to preserve the unique culture, traditions and beauty of the island;
- (d) To optimize the use of resources to meet present and future infrastructure and
- (e) To develop and maintain infrastructure capacity at a level that could sustain future population, socio-economic and physical growth.

# Section 1201. Legislative Intent

- (a) It is the intent of the Legislature
- (3) that all planning efforts that occur in Guam, be they private or public, adhere and conform to the adopted policies, goals and objectives set forth in Guam's Comprehensive Development Plan;
- (b) Strategies (1-10) works toward common principles

Coastal Zone Management Act 1972



Healthy  
Ecosystems



Resilient  
Communities



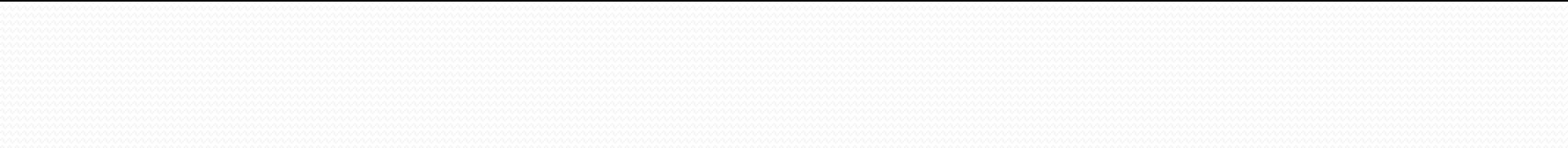
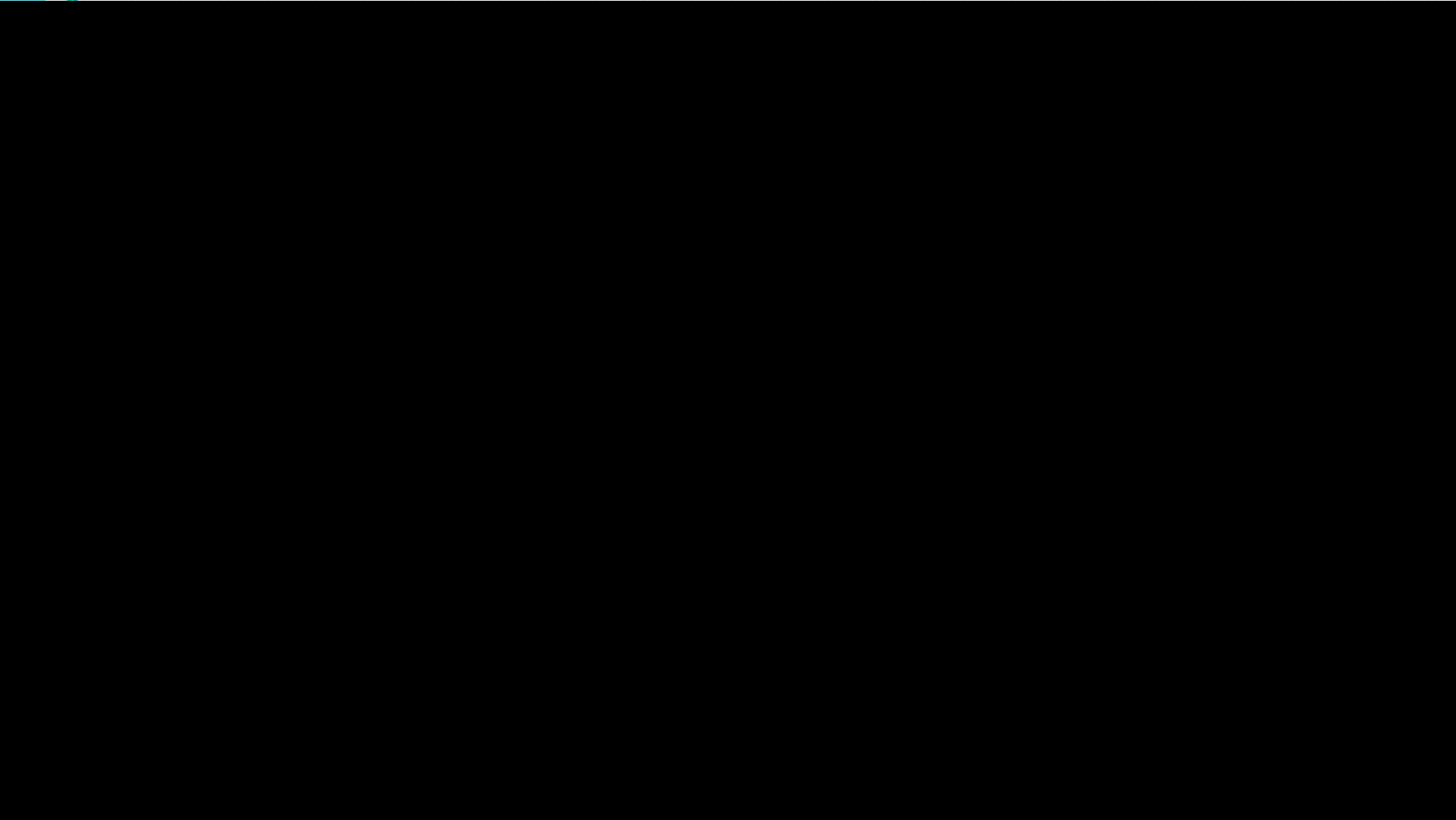
Vibrant  
Economies

# Section 1203. Responsibilities and Authorities

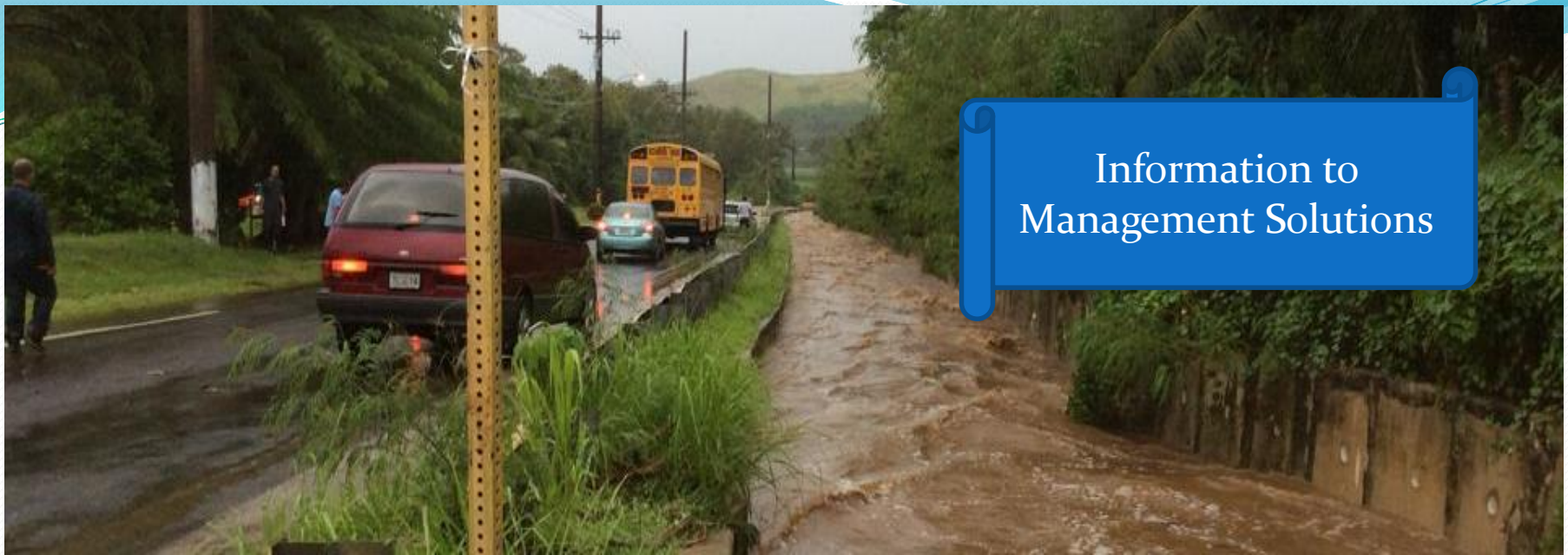
- (a) Prepare the Plan. To cause to be prepared.....
- (b) Assist Planning. To harmonize, improve and assist in implementing comprehensive planning activities at all levels of government;
- (c) Insure Consistency. To insure that the current planning programs and projects are consistent with the comprehensive development plan and the comprehensive program and financial plan (set out in the Executive Budget Acts) and the policies enumerated in this Chapter;
- (d) Rulemaking ability
- (e) Recommendations.
- (f) Agreements.
- (g) Annual Report



# **Section 1204. Support and Coordination**







# GU Project Highlights: Flood Impact Characterization and Green Infrastructure Matrix

Elevating flood hazard issues in underserved communities thru government coordination and empowering communities with Green Infrastructure Technology

Cost	
Response frequency	Six to 8 times a year
Yearly Cost	\$36,000
Over 30yr	\$1,080,000
Flood Disaster Declaration	None





# Progress through Partnerships



## Flood Hazard Study Nelansa (Manell) River Merizo Village, Guam



### Guam Comprehensive Flood Study Chapter IV

Prepared by:



U.S. Army Corps of Engineers  
Honolulu District

Prepared for:



Government of Guam  
Bureau of Statistics and Plans

1. Watershed Description
2. Hydrologic
3. Hydrologic
4. Mitigation Options
5. References



U.S. Army Corps of Engineers  
Honolulu District

Guam Comprehensive Flood Mitigation Study  
Guam, Mariana Islands

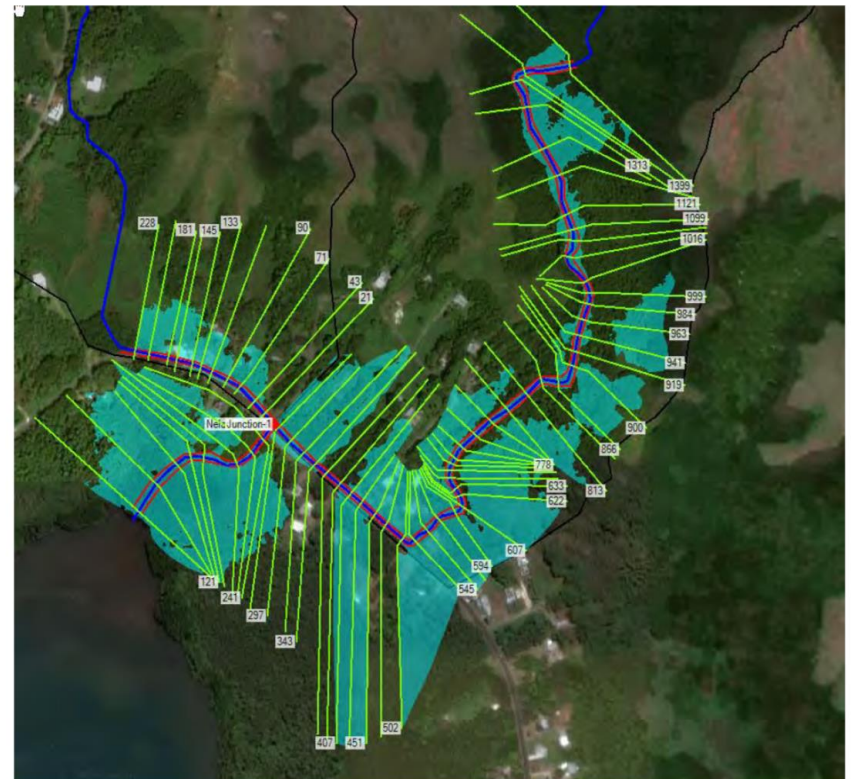


Figure 3-3: Inundated Areas in HEC-RAS for the 1% ACE (100-yr) Flood Event



# Proposed Mitigation Options

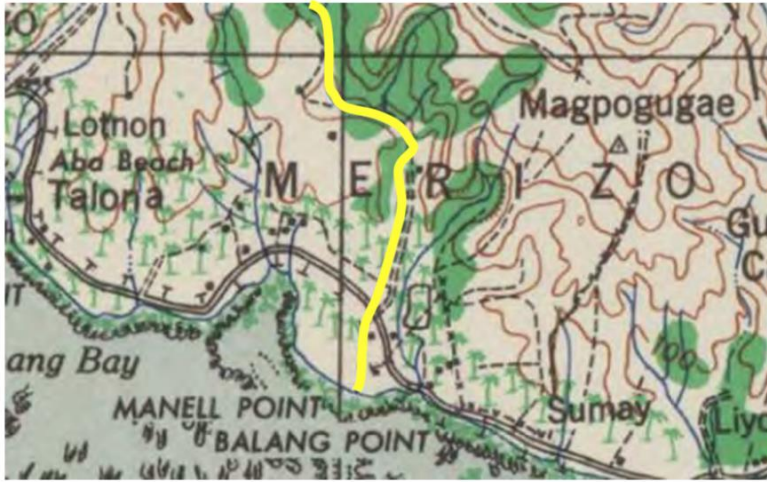


Figure 4-1: Historic Path of the Nelansa River

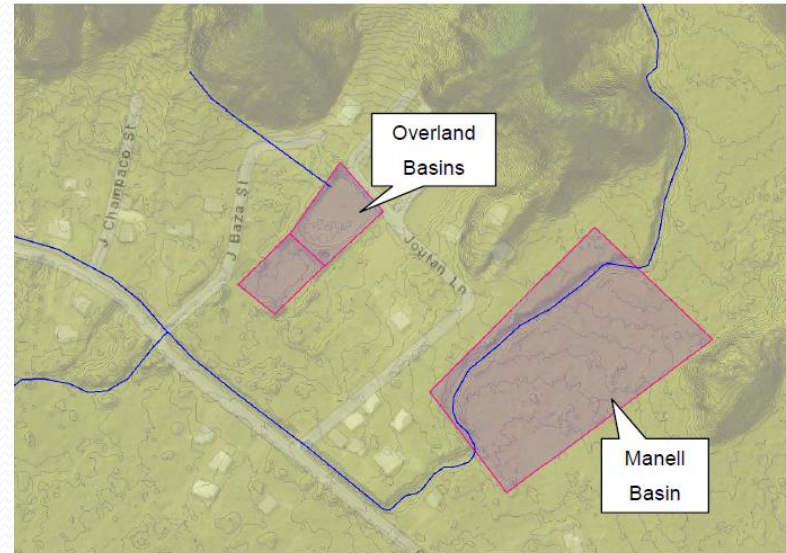
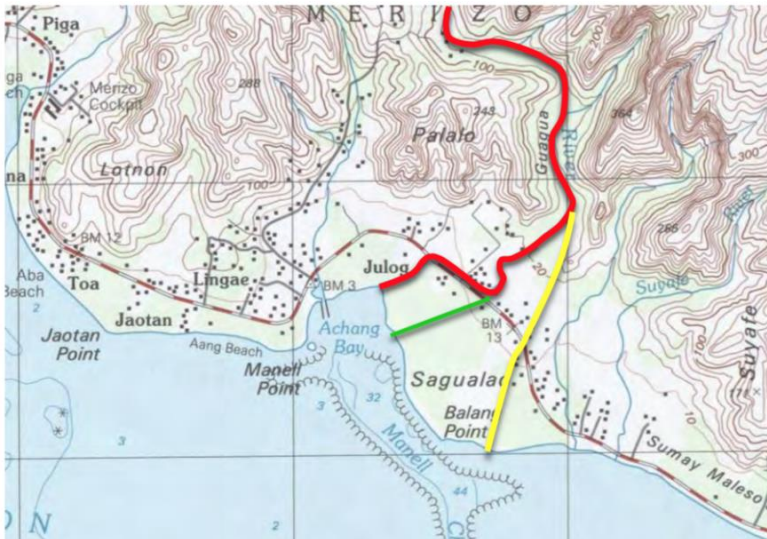


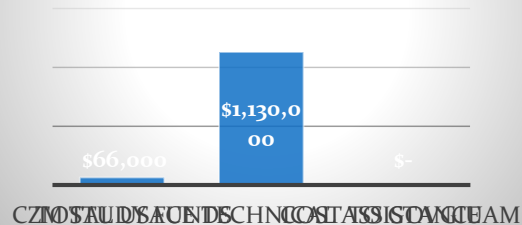
Figure 6-3: Potential Sites for a Detention Basin



# Posturing for Opportunity

## To leverage resiliency resources

### HAZARD STUDY FUNDING COMPOSITION



WRRDA PAS  
Flood Control Act FPMS

HR2157 30M Hurricanes Florence, Michael, and Lane, Typhoons Yutu and Mangkhut, and of wildfires, volcanic 16 eruptions, earthquakes, and other natural disasters.



Guam CEDS  
HR2157 600M

T&E basis for  
understanding  
hazards



FEMA

State Hazard Mitigation Grants  
Pre Hazard Mitigation Grants

USCG DHS  
HR2157 476M





Thank you